

## Prof. EBRU BAŞARAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAX-4541-2021

ScopusID: 35338744200

Yoksis Researcher ID: 30980

### Education Information

Doctorate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Teknoloji (Dr), Turkey 2003 - 2007

Postgraduate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Teknoloji (YI) (Tezli), Turkey 1999 - 2003

Undergraduate, Anadolu University, ECZACILIK FAKÜLTESİ, Eczacılık Pr., Turkey 1995 - 1999

### Dissertations

Doctorate, Siklosporin A içeren katı lipit nanopartikül, mikroemülsiyon ve polimerik nanopartikül formülasyonlarının hazırlanması ve in vitro-in vivo değerlendirilmesi, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Teknoloji (Dr), 2007

Postgraduate, Titanyum dioksit içeren katı lipit nanopartiküllerinin hazırlanması ve in vitro değerlendirilmesi, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Teknoloji (YI) (Tezli), 2003

### Research Areas

Pharmaceutical Technology

### Academic Titles / Tasks

Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK TEKNOLOJİSİ BÖLÜMÜ, 2022 - Continues

Associate Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK TEKNOLOJİSİ BÖLÜMÜ, 2017 - 2022

Assistant Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK TEKNOLOJİSİ BÖLÜMÜ, 2007 - 2017

Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK TEKNOLOJİSİ BÖLÜMÜ, 1999 - 2007

### Academic and Administrative Experience

Anadolu University, 2022 - Continues

Anadolu University, 2017 - 2020

Anadolu University, 2012 - 2015

Anadolu University, 2011 - 2013

Anadolu University, 2011 - 2013

## Courses

ECZ413 - FARMASÖTİK TEKNOLOJİ UYGULAMALARI III A, Undergraduate, 2019 - 2020, 2016 - 2017

ECZ378(B) Kanıt Dayalı Eczacılık ve Araştırma VI, Undergraduate, 2019 - 2020

UFT701(A) UZMANLIK ALAN DERSİ, Postgraduate, 2019 - 2020, 2018 - 2019, 2016 - 2017

ECZ371-2(B) Farmasötik Teknoloji Uygulamaları B, Undergraduate, 2019 - 2020

ECZ371-2(A) Farmasötik Teknoloji Uygulamaları A, Undergraduate, 2019 - 2020

ECZ876(Q1) Mezuniyet Projesi II-Q1, Undergraduate, 2019 - 2020

ECZ886 Tıbbi Cihazlar, Undergraduate, 2019 - 2020

FTE630 Oküler İlaç Taşıyıcı Sistemler, Doctorate, 2019 - 2020

ECZ875(Q1) Mezuniyet Projesi I-Q1, Undergraduate, 2019 - 2020

FTE621 Biyoyararlanım ve Biyoşekerlik, Doctorate, 2019 - 2020

FTE533 Farmasötik Dozaj Şekilleri ve Kalite Kontrolleri, Postgraduate, 2019 - 2020, 2016 - 2017, 2015 - 2016

FTE790(A) TEZ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

ECZ476 Farmasötik Nanoteknoloji, Undergraduate, 2018 - 2019

ECZ327 İlaç Kararlılığı, Undergraduate, 2018 - 2019

ECZ876(Q1) MEZUNİYET PROJESİ II Q1, Undergraduate, 2018 - 2019, 2016 - 2017

UFT702(A) Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019

FTE505(A) SEMİNER, Postgraduate, 2018 - 2019, 2017 - 2018

FTE533 - FARMASÖTİK DOZAJ ŞEKİLLERİ VE KALİTE KONTROLLERİ, Postgraduate, 2018 - 2019, 2017 - 2018

ECZ875(Q1) MEZUNİYET PROJESİ I Q1, Undergraduate, 2018 - 2019, 2016 - 2017

FTE790 TEZ, Postgraduate, 2018 - 2019, 2014 - 2015

ECZ413(A) Farmasötik Teknoloji Uygulamaları III, Undergraduate, 2017 - 2018

ECZ876(Q1) Mezuniyet Projesi II, Undergraduate, 2017 - 2018, 2015 - 2016

ECZ875(Q1) Mezuniyet Projesi I, Undergraduate, 2017 - 2018, 2015 - 2016

UFT701 - Uzmanlık Alan Dersi - A, Postgraduate, 2017 - 2018

ECZ413 - Farmasötik Teknoloji Uygulamaları III B , Undergraduate, 2016 - 2017

ECZ413 Farmasötik Teknoloji Uygulamaları III A, Undergraduate, 2015 - 2016

ECZ311 Farmasötik Teknoloji Uygulamaları IA, Undergraduate, 2015 - 2016

ECZ309 Farmasötik Teknoloji I, Undergraduate, 2015 - 2016

ECZ884 İlaçta Kalite Yönetimi, Undergraduate, 2015 - 2016

UFT701(A) Uzmanlık Alan Dersi, Undergraduate, 2015 - 2016

ECZ311(A) Farmasötik Teknoloji Uygulamaları (A), Undergraduate, 2015 - 2016

Mezuniyet Projesi II (Q1 Grubu), Undergraduate, 2014 - 2015, 2012 - 2013, 2011 - 2012

Farmasötik Teknoloji Uygulamaları IV B Grubu, Undergraduate, 2014 - 2015

Mezuniyet Projesi I (Q1 Grubu), Undergraduate, 2014 - 2015, 2012 - 2013, 2011 - 2012

Oküler İlaç Taşıyıcı Sistemler, Doctorate, 2014 - 2015

Farmasötik Teknoloji Uygulamaları I B Grubu, Undergraduate, 2014 - 2015

Farmasötik Teknoloji III, Undergraduate, 2014 - 2015

Farmasötik Teknoloji Uygulamaları III B Grubu, Undergraduate, 2014 - 2015

UFT701 Uzmanlık Alan Dersi, Postgraduate, 2014 - 2015

Farmasötik Teknoloji II, Undergraduate, 2014 - 2015

Farmasötik Teknoloji Uygulamaları II B Grubu, Undergraduate, 2014 - 2015

Farmasötik Nanoteknoloji, Undergraduate, 2014 - 2015, 2011 - 2012

Fiziksel Farmasi, Postgraduate, 2014 - 2015

İlaç Şekilleri ve Tıbbi Malzeme, Associate Degree, 2013 - 2014, 2012 - 2013, 2011 - 2012

Mezuniyet Projesi II, Undergraduate, 2013 - 2014  
Toz İlaçlar ve Mikromeritik, Doctorate, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Mezuniyet Projesi I , Undergraduate, 2013 - 2014  
Farmasötik Nanoteknoloji , Doctorate, 2013 - 2014  
İlaç Biyoyararlanımı, Undergraduate, 2013 - 2014, 2012 - 2013  
Temel Farmakokinetik, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Farmasötik Teknoloji Uygulamaları II, Undergraduate, 2013 - 2014  
Farmasötik İşlem Validasyonu, Undergraduate, 2012 - 2013  
Farmasötik Teknoloji Uygulamaları II (A Grubu), Undergraduate, 2012 - 2013, 2011 - 2012  
Farmasötik Teknoloji Uygulamaları III (B Grubu), Undergraduate, 2012 - 2013, 2011 - 2012  
Farmasötik Temel İşlemler, Doctorate, 2012 - 2013  
Farmasötik Önformülasyon, Undergraduate, 2012 - 2013  
Farmasötik Teknoloji Uygulamaları IV (B Grubu), Undergraduate, 2012 - 2013  
Farmasötik Teknoloji Uygulamaları II (B Grubu), Undergraduate, 2012 - 2013  
Farmasötik Teknoloji Uygulamaları III (A Grubu), Undergraduate, 2012 - 2013  
Farmasötik Teknoloji I, Undergraduate, 2012 - 2013  
Farmasötik Dozaj Şekilleri ve Kalite Kontrolleri, Doctorate, 2012 - 2013  
Farmasötik Teknoloji Uygulamaları IV (A Grubu), Undergraduate, 2012 - 2013, 2011 - 2012  
Kozmetik Maddeleri Taşıyıcı Sistemler, Postgraduate, 2011 - 2012  
Farmasötik Teknoloji Uygulamaları I (B Grubu), Undergraduate, 2011 - 2012  
Biyoyararlanım ve Biyodeşdeğerlik, Doctorate, 2011 - 2012  
Eczacı Mevzuatı ve Deontoloji, Associate Degree, 2011 - 2012  
Eczacılık Mevzuatı, Undergraduate, 2011 - 2012

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Co-Delivery of siRNA and Docetaxel to Cancer Cells by NLC for Therapy**  
ŞENEL B., BAŞARAN E., AKYIL E., GÜVEN U. M., BÜYÜKKÖROĞLU G.  
ACS OMEGA, vol.9, no.10, pp.11671-11685, 2024 (SCI-Expanded)
- II. **Synthesis, characterization, antioxidant activity of Quercetin, Rutin and Quercetin-Rutin incorporated  $\beta$ -cyclodextrin inclusion complexes and determination of their activity in NIH-3T3, MDA-MB-231 and A549 cell lines**  
Alper Öztürk A. A., Başaran E., Şenel B., Demirel M., Sarıca Ş.  
Journal of Molecular Structure, vol.1282, 2023 (SCI-Expanded)
- III. **Preparation and In vitro, Ex vivo Evaluation of Benzidamine Hydrochloride Loaded Fast Dissolving Oral Strip Formulations: Treatment of Oral Mucositis Due to Side Effects of Chemotherapy and Radiotherapy**  
Yenilmez E., Öztürk A. A., Başaran E.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.20, no.8, pp.1147-1157, 2023 (SCI-Expanded)
- IV. **Quercetin, Rutin And Quercetin-Rutin Incorporated Hydroxypropyl beta-Cyclodextrin Inclusion Complexes**  
Başaran E., Öztürk A. A., Şenel B., Demirel M., Sarıca Ş.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.172, 2022 (SCI-Expanded)
- V. **Formulation and characterization studies of inclusion complexes of voriconazole for possible ocular application**  
BAŞARAN E., AYKAÇ K., Yenilmez E., BÜYÜKKÖROĞLU G., TUNALI Y., DEMİREL M.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.27, no.2, pp.228-241, 2022 (SCI-Expanded)
- VI. **In vitro-in vivo evaluation of olopatadine incorporated chitosan nanoparticles for the treatment of ocular allergy**  
GÜVEN U. M., BAŞARAN E.

JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.64, 2021 (SCI-Expanded)

- VII. **Preparation and in vitro characterization of rosuvastatin calcium incorporated methyl beta cyclodextrin and Captisol(R) inclusion complexes**  
Al-Heibshy F. N. S., BAŞARAN E., ÖZTÜRK N., DEMİREL M.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.46, no.9, pp.1495-1506, 2020 (SCI-Expanded)
- VIII. **Physicochemical characterization and pharmacokinetic evaluation of rosuvastatin calcium incorporated solid lipid nanoparticles**  
Al-Heibshy F. N. S., BAŞARAN E., ARSLAN R., ÖZTÜRK N., EROL K., DEMİREL M.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.578, 2020 (SCI-Expanded)
- IX. **Preparation, characterization and pharmacokinetic evaluation of rosuvastatin calcium incorporated cyclodextrin-polyanhydride nanoparticles**  
Al-Heibshy F. N. S., BAŞARAN E., ARSLAN R., ÖZTÜRK N., VURAL İ., DEMİREL M.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.45, no.10, pp.1635-1645, 2019 (SCI-Expanded)
- X. **Voriconazole Incorporated Polymeric Nanoparticles for Ocular Application**  
BAŞARAN E., Gencer H. K., Yenilmez E., GÜVEN U. M.  
LATIN AMERICAN JOURNAL OF PHARMACY, vol.36, no.10, pp.1983-1994, 2017 (SCI-Expanded)
- XI. **Preparation, Characterization and In Vitro Evaluation of Dirithromycin Loaded Eudragit (R) RS 100 Nanoparticles for Topical Application**  
Yenilmez E., YURTDAS KIRIMLIOĞLU G., ŞENEL B., BAŞARAN E.  
LATIN AMERICAN JOURNAL OF PHARMACY, vol.36, no.11, pp.2203-2212, 2017 (SCI-Expanded)
- XII. **Preparation and in vitro evaluation of vaginal formulations including siRNA and paclitaxel-loaded SLNs for cervical cancer**  
BÜYÜKKÖROĞLU G., ŞENEL B., BAŞARAN E., Yenilmez E., Yazan Y.  
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.109, pp.174-183, 2016 (SCI-Expanded)
- XIII. **Development of paclitaxel-loaded liposomal systems with anti-her2 antibody for targeted therapy**  
BÜYÜKKÖROĞLU G., ŞENEL B., BAŞARAN E., Gezgin S.  
TROPICAL JOURNAL OF PHARMACEUTICAL RESEARCH, vol.15, no.5, pp.895-903, 2016 (SCI-Expanded)
- XIV. **Studies on Rosuvastatin Calcium Incorporated Chitosan Salt Nanoparticles**  
Al-Heibshy F. N. S., BAŞARAN E., DEMİREL M.  
LATIN AMERICAN JOURNAL OF PHARMACY, vol.35, pp.1065-1076, 2016 (SCI-Expanded)
- XV. **Chitosan gel formulations containing egg yolk oil and epidermal growth factor for dermal burn treatment**  
Yenilmez E., BAŞARAN E., ARSLAN R., Berkman M., Güven U., Bayçu C., Yazan Y.  
Pharmazie, vol.70, no.2, pp.67-73, 2015 (SCI-Expanded)
- XVI. **Ornidazole Incorporated Chitosan Nanoparticles for Ocular Application**  
BAŞARAN E., ŞENEL B., YURTDAS KIRIMLIOĞLU G., GÜVEN U. M., Yazan Y.  
LATIN AMERICAN JOURNAL OF PHARMACY, vol.34, no.6, pp.1180-1188, 2015 (SCI-Expanded)
- XVII. **Chitosan nanoparticles for ocular delivery of cyclosporine A**  
BAŞARAN E., Yenilmez E., BERKMAN M. S., BÜYÜKKÖROĞLU G., Yazan Y.  
JOURNAL OF MICROENCAPSULATION, vol.31, no.1, pp.49-57, 2014 (SCI-Expanded)
- XVIII. **Ocular application of chitosan**  
BAŞARAN E., Yazan Y.  
EXPERT OPINION ON DRUG DELIVERY, vol.9, no.6, pp.701-712, 2012 (SCI-Expanded)
- XIX. **Polymeric Cyclosporine-A Nanoparticles for Ocular Application**  
BAŞARAN E., DEMİREL M., SIRMAGÜL B., Yazan Y.  
JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, vol.7, no.5, pp.714-723, 2011 (SCI-Expanded)
- XX. **Cyclosporine-A incorporated cationic solid lipid nanoparticles for ocular delivery**  
BAŞARAN E., Demirel M., SIRMAGÜL B., Yazan Y.  
JOURNAL OF MICROENCAPSULATION, vol.27, no.1, pp.37-47, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Formulation and Characterization Studies of Paclitaxel Incorporated Kollidon® Sr and Chitosan Nanoparticles: An In Vitro Evaluation For Potential Use for Colorectal Cancer Treatment**  
Koca Ö. A., Büyükköroğlu G., Başaran E.  
Letters in Drug Design and Discovery, vol.1, no.1, pp.1386-1398, 2023 (Peer-Reviewed Journal)
- II. **Tiagabine Incorporated Polymeric Microneedles: Formulation and Characterization Studies**  
AYKAÇ K., BAŞARAN E.  
Current Applied Polymer Science, vol.6, no.1, pp.48-60, 2023 (Peer-Reviewed Journal)
- III. **Formulation and Characterization of Lacosamide-loaded Polymeric Microneedles**  
AYKAÇ K., BAŞARAN E.  
Journal of Exploratory Research in Pharmacology, vol.0, 2022 (Peer-Reviewed Journal)
- IV. **POSACONAZOLE LOADED OCULAR INSERTS FOR ANTIFUNGAL ACTIVITY**  
AYKAÇ K., YENİLMEZ E., DEMİREL M., BAŞARAN E.  
Journal of Pharmaceutical Technology, vol.1, no.1, pp.1-6, 2020 (Peer-Reviewed Journal)
- V. **Preparation and in vitro characterization of a fluconazole loaded chitosan particulate system**  
Kırımhoğlu G. Y., Yenilmez E., BAŞARAN E., Yazan Y.  
Acta Pharmaceutica Scientia, vol.57, no.2, pp.203-215, 2019 (Scopus)
- VI. **Ocular Application of Dirithromycin Incorporated Polymeric Nanoparticles: an In Vitro Evaluation**  
BAŞARAN E.  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.14, no.2, pp.191-200, 2017 (ESCI)
- VII. **Paclitaxel loaded cationic solid lipid nanoparticle formulation, preparation and evaluation**  
Öztürk A. A., Şenel B., Yenilmez E., Başaran E., Büyükköroğlu G.  
JOURNAL OF NANOMEDICINE AND NANOTECHNOLOGY, vol.5, no.5, pp.202, 2014 (Peer-Reviewed Journal)
- VIII. **Formulation and Characterization of Dirithromycine Nanoparticles for Topical Treatment**  
YENİLMEZ E., BAŞARAN E., YURTDAŞ KIRIMLIOĞLU G., YAZAN E. Y.  
JOURNAL OF NANOMEDICINE AND NANOTECHNOLOGY, vol.5, no.5, pp.111, 2014 (Peer-Reviewed Journal)
- IX. **Ocular Application of Dirithromycin with Chitosan Based Polymeric Nanoparticles**  
BAŞARAN E., YENİLMEZ E., YURTDAŞ KIRIMLIOĞLU G., YAZAN E. Y.  
JOURNAL OF NANOMEDICINE AND NANOTECHNOLOGY, vol.5, no.5, pp.112, 2014 (Peer-Reviewed Journal)
- X. **Enhancement of the Ocular Bioavailability of Cyclosporine A by Cationic Polymeric Nanoparticles**  
BAŞARAN E., YENİLMEZ E., BÜYÜKKÖROĞLU G., BERKMAN M. S., YAZAN E. Y.  
JOURNAL OF BIOEQUIVALENCE AND BIOAVAILABILITY, vol.5, no.3, pp.45, 2013 (Peer-Reviewed Journal)
- XI. **Ocular Application of Cyclosporine A Using Chitosan Nanoparticles**  
BAŞARAN E., UYSAL F., ERTUNA L., KELECİOĞLU H.  
Pharmaceutica Analytica Acta, vol.3, no.1, pp.97, 2012 (Peer-Reviewed Journal)
- XII. **Sunblocking efficiency of various TiO<sub>2</sub>-loaded solid lipid nanoparticle formulations**  
Cengiz E., Wissing S., Müller R., Yazan Y.  
International Journal of Cosmetic Science, vol.28, no.5, pp.371-378, 2006 (Scopus)

## Books & Book Chapters

- I. **Tıbbi Cihaz Bilgisi**  
BAŞARAN E.  
in: Genel Tıbbi Ürün ve Tıbbi Cihaz Bilgisi, Demirci Fatih, Editor, Anadolu Üniversitesi, Eskişehir, pp.71-93, 2021
- II. **Majistral Ürünler**  
ÖZKAN Y., AYDIN A., BEŞİKCİ A. O., SAVAŞER A., KARATAŞ A., ARICA YEGİN B., USLU B., SEVER YILMAZ B., PALASKA E., SALTAN İŞCAN G., et al.  
in: Türk Farmakopesi 2017-VI, Dr. ALİ ALKAN, ERAY KAPLAN, OĞUZHAN KOYUNCU, SELİN ERGÜN AYAN, Editor, SAĞLIK BAKANLIĞI, Ankara, pp.4485-4682, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **FORMULATION AND EVALUATION OF THE POTENTIAL OF IFN- $\beta$ -HEPARIN NANOPARTICLES TO PREVENT VIRAL INFECTIONS IN CHRONIC LUNG DISEASES**  
BAŞARAN E., Boland H., Bellinghausen C., Dressman J.  
13th World Meeting on Pharmaceutics, Biopharmaceutics and pharmaceutical Technology, Rotterdam, Netherlands, 28 - 31 March 2022
- II. **POLYMERIC MICRONEEDLES**  
BAŞARAN E.  
Polymer Connect, Polymer Science and Composite Materials Conference (Polymer Connect-2021), Barselona, Spain, 05 July 2021
- III. **POSACONAZOLE LOADED EUDRAGIT® FS 100 NANOPARTICLES**  
AYKAÇ K., BAŞARAN E., YENİLMEZ E., DEMİREL M.  
13rd International Symposium on Pharmaceutical Sciences (13rd ISOPS), Ankara, Turkey, 22 June 2021
- IV. **POSACONAZOLE LOADED EUDRAGIT® FS 100 NANOPARTICLES**  
AYKAÇ K., BAŞARAN E., YENİLMEZ E., DEMİREL M.  
3. International Gazi Pharma Symposium Series, Ankara, Turkey, 22 June 2021, pp.161
- V. **POLYMERIC MICRONEEDLES FOR NASAL DRUG DELIVERY**  
AYKAÇ K., BAŞARAN E.  
13rd International Symposium on Pharmaceutical Sciences (13rd ISOPS), Ankara, Turkey, 22 June 2021
- VI. **LACOSAMIDE LOADED MICRONEEDLES AS NASAL DRUG DELIVERY SYSTEMS**  
AYKAÇ K., BAŞARAN E.  
13rd International Symposium on Pharmaceutical Sciences (13rd ISOPS), Ankara, Turkey, 22 June 2021
- VII. **TIAGABINE INCORPORATED MICRONEEDLES FOR NASAL APPLICATION**  
AYKAÇ K., BAŞARAN E.  
European Federation for Pharmaceutical Sciences Annual Meeting 2021 (EUFEPS-2021), Sweden, 07 June 2021, pp.83
- VIII. **ANTIHYPERCHOLESTEROLEMIC AND ANTIHYPERLIPIDEMIC ACTIVITY OF ROSUVASTATIN CALCIUM LOADED CYCLODEXTRIN-POLYANHYDRIDE AND SOLID LIPID NANOPARTICLES**  
AL HEIBSHY F., NAMLI İ., ARSLAN R., BAŞARAN E., DEMİREL M.  
8th BBBB International Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019, pp.178-179
- IX. **POSACONAZOLE LOADED CHITOSAN SPONGES FOR OCULAR APPLICATION**  
AYKAÇ K., YENİLMEZ E., DEMİREL M., BAŞARAN E.  
8th BBBB International Conference on Pharmaceutical Sciences, İzmir, Turkey, 14 - 16 October 2019, pp.208-209
- X. **SYNERGISTIC EFFECT OF siRNA AND PACLITAXEL-LOADED SLNs ON FOUR CANCER CELL LINES**  
ŞENEL B., BÜYÜKKÖROĞLU G., BAŞARAN E., YENİLMEZ E.  
International Multidisciplinary Symposium on Drug Research Development (DRD 2019), Malatya, Turkey, 1 - 03 July 2019, vol.1, pp.103-106
- XI. **VORICONAZOLE INCORPORATED INCLUSION COMPLEXES FOR IMPROVED OCULAR DELIVERY**  
BAŞARAN E., YENİLMEZ E., BÜYÜKKÖROĞLU G., DEMİREL M.  
EUFEPS Annual Meeting 2019, Frankfurt, Germany, 6 - 08 March 2019, vol.1, pp.91
- XII. **SOLID LIPID NANOPARTICLES FOR THE ENHANCED ORAL BIOAVAILABILITY OF ROSUVASTATIN CALCIUM**  
AL HEIBSHY F., BAŞARAN E., ÖZTÜRK N., ARSLAN R., EROL K., DEMİREL M.  
CRS 2018, New York, United States Of America, 22 - 24 July 2018, pp.315
- XIII. **ENHANCED ORAL BIOAVAILABILITY OF ROSUVASTATIN CALCIUM BY CYCLODEXTRIN-POLY(ANHYDRITE) NANOPARTICLES**  
AL HEIBSHY F., BAŞARAN E., ÖZTÜRK N., ARSLAN R., EROL K., DEMİREL M.  
CRS 2018, New York, United States Of America, 22 - 24 July 2018, vol.1
- XIV. **TRANSDERMAL DELIVERY OF AN ANTIEPILEPTIC DRUG: LACOSAMIDE**  
AYKAÇ K., BAŞARAN E.

12th International Symposium of Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018

- XV. **Inclusion Complexes of Rosuvastatin Calcium with Sulfobutylether-Beta-Cyclodextrin (Captisol)**  
AL HEIBSHY F., BAŞARAN E., ÖZTÜRK N., DEMİREL M.  
2nd International Gazi Pharma Symposium, 11 - 13 October 2017
- XVI. **Enhancement of Solubility of Rosuvastatin Calcium by Complexation with Methyl-Beta-Cyclodextrin**  
AL HEIBSHY F., BAŞARAN E., ÖZTÜRK N., DEMİREL M.  
2nd International Gazi Pharma Symposium, 11 - 13 October 2017
- XVII. **In Vitro Dissolution and Cytotoxicity Studies on Quercetin and Rutin Loaded HP-β-Cyclodextrin Complexes**  
ÖZTÜRK A. A., ŞENEL B., BAŞARAN E., DEMİREL M.  
2nd International Gazi Pharma Symposium Series, Ankara, Turkey, 11 - 13 October 2017
- XVIII. **In vitro dissolution and cytotoxicity studies on quercetin and rutin loaded HP-beta-cyclodextrin complexes**  
ÖZTÜRK A. A., ŞENEL B., BAŞARAN E., DEMİREL M., SARICA Ş.  
2nd International Gazi Pharma Symposium Series (GPSS: 2017), 11 - 13 October 2017
- XIX. **IN VITRO DISSOLUTION AND CYTOTOXICITY STUDIES ON QUERCETIN AND RUTIN LOADED HP-BETA-CYCLODEKSTRINE COMPLEXES**  
ÖZTÜRK A. A., ŞENEL B., BAŞARAN E., DEMİREL M., SARICA Ş.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), Ankara, Turkey, 11 - 13 October 2017, vol.142
- XX. **In Vitro Dissolution and Cytotoxicity Studies on Quercetin and Rutin Loaded HP-Beta-Cyclodextrin Complexes**  
Öztürk A. A., Şenel B., Başaran E., Demirel M., Sarıca Ş.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), Ankara, Turkey, 11 - 13 October 2017, pp.142
- XXI. **POLYMERIC NANOPARTICLES FOR ANTIFUNGAL OCULAR THERAPY**  
BAŞARAN E.  
3rd International Conference on Polymer Science and Engineering (Polymer Science 2017), Chicago, United States Of America, 2 - 03 October 2017, vol.1, pp.39
- XXII. **ANTİFUNGAL ETKİLİ VAJİNAL JEL FORMÜLASYONLARININ GELİŞTİRİLMESİ**  
GENİŞER M., BAŞARAN E.  
13. Türkiye Eczacılık Kongresi, İstanbul, Turkey, 21 - 24 December 2016
- XXIII. **PACLITAXEL INCORPORATED POLYMERIC NANOPARTICLES FOR THE TREATMENT OF OCULAR MELANOMA**  
BAŞARAN E.  
5th International Conference on Nanostructures, Nanomaterials and Nanoengineering (ICNNN 2016), Singapore, Singapore, 29 - 31 October 2016, vol.1, pp.40
- XXIV. **CHITOSAN COATED PACLITAXEL NANOPARTICLES AIMING COLORECTAL CANCER TREATMENT**  
ATASOY Ö., BAŞARAN E.  
3rd Annual Conference Exposition of International Society for Biomedical Polymers and Polymeric Biomaterials (3rd ISBPPB), New Jersey, United States Of America, 11 - 12 August 2016, vol.1, pp.27
- XXV. **Quercetin Rutin and Quercetin Rutin HPBeta Cyclodextrin Complexes An In Vitro Evaluation**  
DEMİREL M., ÖZTÜRK A. A., BAŞARAN E., SARICA Ş.  
BIT's 2nd Annual World Congress of Smart Materials-2016, 4 - 06 March 2016
- XXVI. **Formulation and Characterization Studies of Quercetin Rutin and Quercetin Rutin Beta Cyclodextrin Complexes**  
ÖZTÜRK A. A., BAŞARAN E., DEMİREL M., SARICA Ş.  
BIT's 2nd Annual World Congress of Smart Materials-2016, 4 - 06 March 2016
- XXVII. **FORMULATION AND CHARACTERIZATION STUDIES OF QUERCETIN RUTIN AND QUERCETIN RUTIN CYCLODEXTRIN COMPLEXES**  
ÖZTÜRK A. A., BAŞARAN E., DEMİREL M., SARICA Ş.  
BIT's 2nd Annual World Congress of Smart Materials-2016 (SMART MATERIALS 2016), Singapore, Singapore, 4 - 06 March 2016, vol.1, pp.630

- XXVIII. **QUERCETIN RUTIN AND QUERCETIN RUTIN HP CYCLODEXTRIN COMPLEXES AN IN VITRO EVALUATION**  
DEMİREL M., ÖZTÜRK A. A., BAŞARAN E., SARICA Ş.  
BIT's 2nd Annual World Congress of Smart Materials-2016 (SMART MATERIALS 2016), Singapore, Singapore, 4 - 06 March 2016, vol.1, pp.425
- XXIX. **CONTROLLED DRUG DELIVERY SYSTEMS FOR OCULAR APPLICATION**  
BAŞARAN E.  
BIT's 2nd Annual World Congress of Smart Materials-2016 (SMART MATERIALS 2016), Singapore, Singapore, 4 - 06 March 2016, vol.1, pp.420
- XXX. **Formulation and Characterization Studies of Quercetin Rutin and Quercetin Rutin B Cyclodextrin Complexes**  
Öztürk A. A., Başaran E., Demirel M., Sarıca Ş.  
BIT's 2. Annual World Congress of Smart Materials, Singapore, Singapore, 4 - 06 March 2016, pp.630
- XXXI. **Quercetin Rutin and Quercetin Rutin HP B Cyclodextrin Complexes An In vitro Evaluation**  
Demirel M., Öztürk A. A., Başaran E., Sarıca Ş.  
BIT's 2. Annual World Congress of Smart Materials, Singapore, Singapore, 4 - 06 March 2016, pp.425
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AL HEIBSHY F. N. S., DEMİREL M., BAŞARAN E.  
13th International Conference on Chitin and Chitosan ICC 13th, 12th EUCHIS, 30 August - 02 September 2015
- XXXIII. **PACLITAXEL INCORPORATED CHITOSAN NANOPARTICLES AN IN VITRO EVALUATION**  
ÖZGE A., BAŞARAN E.  
12th International Conference of the European Chitin Society and 13th International Conference on Chitin and Chitosan (EUCHIS 2015), Münster, Germany, 30 August - 02 September 2015, pp.168
- XXXIV. **Formulation and Characterization Studies of Rosuvastatin Calcium Incorporated Chitosan Aspartate and Chitosan Glutamate Nanoparticles**  
AL HEIBSHY F. N. S., DEMİREL M., BAŞARAN E.  
12th International Conference of the European Chitin Society, 13th International Conference on Chitin and Chitosan ICC 13th, 12th EUCHIS, 30 August - 02 September 2015
- XXXV. **In Vitro Characterization Studies of Rosuvastatin Calcium Incorporated Tripalmitin Based SLNs**  
AL HEIBSHY F. N. S., BAŞARAN E., DEMİREL M.  
11th International Symposium on Pharmaceutical Sciences 11th ISOPS, 9 - 12 June 2015
- XXXVI. **IN VITRO EVALUATION OF PACLITAXEL INCORPORATED POLYMERIC NANOPARTICLES**  
ÖZGE A., BAŞARAN E.  
11th International Symposium on Pharmaceutical Sciences (11th ISOPS), Ankara, Turkey, 9 - 12 June 2015, pp.143-144
- XXXVII. **Formulation and Characterization Studies of Rosuvastatin Calcium Incorporated Stearic Acid Based Nanoparticles**  
AL HEIBSHY F. N. S., BAŞARAN E., DEMİREL M.  
Nanobiotechnology Days 2015, 14 - 15 May 2015
- XXXVIII. **Formulation and Characterization of Dirithromycine Nanoparticles For Topical Treatment**  
YENİLMEZ E., BAŞARAN E., YURTDAŞ KIRIMLIOĞLU G., YAZAN E. Y.  
4th International Conference on Nanotek Exposition, San-Francisco, Costa Rica, 1 - 03 December 2014, vol.5, pp.111
- XXXIX. **Paclitaxel Loaded Cationic Solid Lipid Nanoparticle Formulation, Preparation and Evaluation**  
Öztürk A. A., Şenel B., Yenilmez E., Başaran E., Büyükköroğlu G.  
4th International Conference on Nanotek and Expo, California, United States Of America, 1 - 03 December 2014, vol.5, pp.200
- XL. **OCULAR APPLICATION OF DIRITHROMYCIN WITH CHITOSAN BASED POLYMERIC NANOPARTICLES**  
**Sözlü Bildiri**  
ÖZTÜRK A. A., ŞENEL B., YENİLMEZ E., BAŞARAN E., BÜYÜKKÖROĞLU G.



- 4th International Conference on Nanotek Exposition, San-Francisco, Costa Rica, 1 - 03 December 2014, vol.5, pp.112
- XLII. **PACLITAXEL LOADED CATIONIC SOLID LIPID NANOPARTICLE FORMULATION PREPARATION AND EVALUATION Poster Bildiri**  
ÖZTÜRK A. A., ŞENEL B., YENİLMEZ E., BAŞARAN E., BÜYÜKKÖROĞLU G.  
4th International Conference on Nanotek Exposition, San-Francisco, Costa Rica, 1 - 03 December 2014, vol.5, pp.202
- XLIII. **Ocular Application of Dirithromycin with Chitosan Based Polymeric Nanoparticles**  
BAŞARAN E., YENİLMEZ E., YURTDAS KIRIMLIOĞLU G., YAZAN E. Y.  
4th International Conference on Nanotek Exposition, San-Francisco, Costa Rica, 1 - 03 December 2014, vol.5, pp.112
- XLIV. **FORMULATION AND CHARACTERIZATION OF DIRITHROMYCINE NANOPARTICLES FOR TOPICAL TREATMENT Sözlü Bildiri**  
ÖZTÜRK A. A., ŞENEL B., YENİLMEZ E., BAŞARAN E., BÜYÜKKÖROĞLU G.  
4th International Conference on Nanotek Exposition, San-Francisco, Costa Rica, 1 - 03 December 2014, vol.5, pp.111
- XLV. **FORMULATION AND CHARACTERIZATION STUDIES OF DIRITHROMYCIN INCORPORATED POLYMERIC NANOPARTICLES Sözlü Bildiri**  
BAŞARAN E.  
1st Annual Conference Exposition of International Society for Biomedical Polymers and Polymeric Biomaterials, Washington, Kiribati, 9 - 12 July 2014, pp.21
- XLVI. **OCULAR APPLICATION OF ORNIDAZOLE WITH EUDRAGIT RS 100 MICROPARTICLES Poster Bildiri**  
BAŞARAN E., YAZAN E. Y.  
3rd Conference on Innovation in Drug Delivery – Advances in Local Drug Delivery, Pisa, Italy, 22 - 25 September 2013, pp.105
- XLVII. **Enhancement of the Ocular Bioavailability of Cyclosporine A by Cationic Polymeric Nanoparticles**  
BAŞARAN E., YENİLMEZ E., BÜYÜKKÖROĞLU G., BERKMAN M. S., YAZAN E. Y.  
4th World Congress on Bioavailability and Bioequivalence: Pharmaceutical RD Summit, San-Francisco, Costa Rica, 20 - 22 May 2013, vol.5, pp.45
- XLVIII. **ORNIDAZOLE INCORPORATED CHITOSAN NANOPARTICLES AIMING OCULAR APPLICATION Sözlü Bildiri**  
BAŞARAN E.  
BIT's 3rd Annual World Congress of Nanomedicine-2012, Shenzhen, China, 1 - 03 November 2012, vol.1, pp.92
- XLIX. **OCULAR APPLICATION of CYCLOSPORINE A USING CHITOSAN NANOPARTICLES Sözlü Bildiri**  
BAŞARAN E.  
2nd International Conference on Pharmaceutics and Novel Drug Delivery Systems, San-Francisco, Costa Rica, 20 - 22 February 2012, vol.3, pp.97
- L. **CHITOSAN SAGACIOUS AND FEASIBLE MATERIAL for DRUG DELIVERY 2 EXAMPLES Sözlü Bildiri**  
YENİLMEZ E., BAŞARAN E., YAZAN E. Y.  
The 2nd International and Cross-Strait Chitin and Chitosan Symposium The 7th National Academic Conference on Chitin and Chitosan, Qianjiang, China, 5 - 09 November 2010, pp.114
- L. **Chitosan Sagacious and Feasible Material for Drug Delivery 2 Examples**  
YENİLMEZ E., BAŞARAN E., YAZAN E. Y.  
2nd International and Cross-Strait Chitin and Chitosan Symposium The 7th National Academic Conference on Chitin and Chitosan, 5 - 09 November 2010, pp.114
- LI. **Preparation and Characterization of Fluconazole Containing Chitosan Particulate System**  
YURTDAS KIRIMLIOĞLU G., YENİLMEZ E., BAŞARAN E., YAZAN E. Y.  
11th International Conference on Chitin and Chitosan and The 8th Asia-Pacific Chitin and Chitosan Symposium, Taipei, Taiwan, 6 - 09 September 2009, pp.159
- LII. **Release Characteristics of Vitamin E Incorporated Chitosan Microspheres and In Vitro In Vivo Evaluation for Topical Application**

YENİLMEZ E., BAŞARAN E., YAZAN E. Y.

11th International Conference on Chitin and Chitosan and The 8th Asia-Pacific Chitin and Chitosan Symposium, Taipei, Taiwan, 6 - 09 September 2009, pp.67

**LIII. Encapsulation of alfa Tocopherol In Chitosan Nanospheres for Cosmetic Application**

YENİLMEZ E., BAŞARAN E., YAZAN E. Y.

9th International Conference of the European Chitin Society, 23 - 26 May 2009, pp.100-101

**LIV. RESEARCH PROPOSAL for the OCULAR APPLICATION of CYCLOSPORINE A CHITOSAN NANOPARTICLES VERSUS RESTASIS Sözlü Bildiri**

BAŞARAN E., YENİLMEZ E.

9th International Conference of the European Chitin Society, Venedik, Italy, 23 - 26 May 2009, pp.14-15

**LV. Research Proposal for the Ocular Application of Cyclosporine A Chitosan Nanoparticles Versus Restasis**

BAŞARAN E., YENİLMEZ E.

9th International Conference of the European Chitin Society, 23 - 26 May 2009, pp.14-15

**LVI. TECHNOLOGY IN PHARMACEUTICAL EDUCATION AND BEYOND**

BAŞARAN E.

2nd IEEE International Conference on Computer Science and Information Technology (ICCSIT 2009), Pekin, China, 8 - 11 August 2008

**LVII. Preliminary Study On The Stability Of Sotalol Hydrochloride In Aqueous Solution poster**

DEMİREL M., BAŞARAN E., YENİLMEZ E., BERKMAN M. S.

12th International Pharmaceutical Technology Symposium, İstanbul, Turkey, 12 - 14 September 2004, pp.259-260

**LVIII. GÜNEŞ IŞINLARINI SÜZEN MADDE VE PREPARATLAR**

BAŞARAN E., YAZAN E. Y.

Anadolu Üniversitesi Eczacılık Fakültesi'xxnin 35. Yıl Etkinlikleri, Eskişehir, Turkey, 19 November 2003

**LIX. FORMULATION AND CHARACTERIZATION of TiO2 INCORPORATED SOLID LIPID NANOPARTICLES SLNTM Poster Bildiri**

BAŞARAN E., SYLVIA W., YAZAN E. Y., RAINER M.

Cosmoderm III and 5th International Cosmetics Symposium (ICoS ), İstanbul, Turkey, 9 - 11 June 2003, vol.1, pp.149

**LX. TİTANYUM DİOKSİT İÇEREN NANOPARTİKÜLLER Sözlü Bildiri**

YAZAN E. Y., BAŞARAN E.

Anadolu Üniversitesi Eczacılık Fakültesi'xxnin 34. Yıl Etkinlikleri, Eskişehir, Turkey, 19 November 2002

## Supported Projects

BAŞARAN E., Preparation and Evaluation of Solid Lipid Nano and Microparticles Containing Sunscreen Agents Deutcher Akademischer Austauschdienst DAAD Proje BERLİN FREE UNIVERSITY, 2002 - Continues

BAŞARAN E., Siklosporin A İçeren Katı Lipit Nanopartikül Mikroemülsiyon ve Polimerik Nanopartikül Formülasyonlarının Hazırlanması ve İn Vitro İn Vivo Değerlendirilmesi BAP Proje No 040342, Continues

BAŞARAN E., Other International Funding Programs, Drug Repurposing For Corona, 2020 - 2021

BAŞARAN E., Other International Funding Programs, Prevention of viral infections by inhalation of IFN Nanaocapsules in chronic lung disease, 2020 - 2021

BAŞARAN E., AKYIL E., AYKAÇ K., Project Supported by Higher Education Institutions, OKÜLER UYGULAMAYA YÖNELİK ANTİFUNGAL İLAÇ TAŞIYICI SİSTEM FORMÜLASYON ÇALIŞMALARI Anadolu Üniversitesi Bilimsel Araştırma Projeleri (BAP) Proje No: 1901S006, 2019 - 2021

AYKAÇ K., BAŞARAN E., Project Supported by Higher Education Institutions, EPİLEPSİ TEDAVİSİNDE KULLANILMAK ÜZERE TRANSDERMAL İLAÇ TAŞIYICI SİSTEMLERİN FORMÜLASYON ÇALIŞMALARI, Anadolu Üniversitesi Bilimsel Araştırma Projeleri (BAP) Proje No: 1901S005, 2019 - 2021

AKYIL E., BAŞARAN E., ŞENEL B., BÜYÜKKÖROĞLU G., Project Supported by Higher Education Institutions, Efrin Reseptörleri Üzerinde Etki Gösteren Dösetaksel ile kombine siRNA Taşıyan Emülsiyon Sistemlerinin Hazırlanması ve İn

Vitro Değerlendirilmesi, 2017 - 2021

AKYIL E., BAŞARAN E., Project Supported by Higher Education Institutions, Kemoterapi ve Radyoterapi Tedavisinde Yan Etkilere Bağlı Oluşan Oral Mukozitin Tedavisinde Semptom Giderici Olarak Kullanılmak Üzere Oral Film / Strip Formülasyonu Geliştirilmesi İn Vitro Ve Ex Vivo Değerlendirilmesi, Anadolu Üniversitesi Bilimsel Araştırma Projeleri (BAP) Proje No: 1806S237, 2018-2020,, 2018 - 2020

BAŞARAN E., Project Supported by Higher Education Institutions, Paklitaksel İçeren Biyoparçalanır Polimerik Nanopartikül Formülasyonlarının Geliştirilmesi ve İn Vitro Değerlendirilmesi BAP Proje No 1403S065, 2014 - 2020

BAŞARAN E., BÜYÜKKÖROĞLU G., Project Supported by Higher Education Institutions, Sildenafil Baz İçeren Farklı Taşıyıcı Sistemlerin Hazırlanması ve Karakterizasyonu, Anadolu Üniversitesi Bilimsel Araştırma Projeleri (BAP) Proje No: 1805S207, 2018 - 2019

AKYIL E., BAŞARAN E., BÜYÜKKÖROĞLU G., OKÜLER UYGULAMAYA YÖNELİK VORİKONAZOL İÇEREN İNKLÜZYON KOMPLEKSLERİNİN FORMÜLASYON ÇALIŞMALARI Proje No: 2016S731, 2017 - 2019

BAŞARAN E., Project Supported by Higher Education Institutions, POSAKONAZOL İÇEREN POLİMERİK NANOPARTİKÜLLERİN FORMÜLASYON ÇALIŞMALARI Proje No: 1705S169, 2017 - 2018

ARSLAN R., BAŞARAN E., Project Supported by Higher Education Institutions, ROSUVASTATİN KALSİYUM İÇEREN KATI LİPİT VE SİKLODEKSTRİN/POLİANHİDRİT NANOPARTİKÜLLERİ ÜZERİNDE FARMAKODİNAMİK ÇALIŞMALAR Proje No: 1705S319, 2017 - 2018

DEMİREL M., BAŞARAN E., Project Supported by Higher Education Institutions, Rosuvastatin Kalsiyum İçeren Siklodekstrin Katı Lipit ve Kitosan Bazlı Taşıyıcı Sistemlerin Hazırlanması ve İn Vitro İn Vivo Değerlendirilmesi, 2014 - 2017

BAŞARAN E., YAZAN E. Y., Project Supported by Higher Education Institutions, RAHİM AĞZI KANSERİ İÇİN SİRNA BAĞLI VE PAKLİTAKSEL İÇEREN PARTİKÜLLERLE HAZIRLANMIŞ VAJİNAL FORMÜLASYONLARIN HAZIRLANMASI, DEĞERLENDİRİLMESİ VE KARŞILAŞTIRILMASI BAP Proje No 1302S028, 2013 - 2016

ŞENEL B., BAŞARAN E., Project Supported by Higher Education Institutions, Oküler Uygulamaya Yönelik Ornidazol İçeren Polimerik Nanopartiküllerin Hazırlanması Ve İn Vitro İn Vivo Değerlendirilmesi BAP Proje No 1306S229, 2013 - 2014

ARSLAN R., AKYIL E., BAŞARAN E., BERKMAN M. S., YAZAN E. Y., Project Supported by Higher Education Institutions, Dermal Yanık Tedavisinde Kullanılabilecek Yumurta Sarısı Yağı Ve Epidermal Büyüme Faktörü İçeren Topik Formülasyon Geliştirilmesi ve İn Vitro İn Vivo Değerlendirilmesi BAP Proje No 090343, 2009 - 2012

BAŞARAN E., AKYIL E., BERKMAN M. S., YAZAN E. Y., BÜYÜKKÖROĞLU G., Project Supported by Higher Education Institutions, Siklosporin A İçeren Kitosan Nanopartiküllerinin Oftalmik Uygulamaya Yönelik Hazırlanması ve İn Vitro İn Vivo Değerlendirilmesi BAP Proje No 090344, 2009 - 2012